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(71) Applicant: **DOLBY LABORATORIES LICENSING CORPORATION** [US/US]; 100 Potrero Avenue, San Franciso, CA 94103-4813 (US).

(72) Inventors: **TRUMAN, Michael, Mead**; 100 Potrero Avenue, San Francisco, CA 94103-4813 (US). **DAVIDSON, Grant, Allen**; 100 Potrero Avenue, San Francisco, CA 94103-4813 (US). **FELLERS, Matthew, Conrad**; 100 Potrero Avenue, San Francisco CA 94103-4813 (US). **VINTON , Mark, Stuart**; 100 Potrero Avenue, San Francisco 94103-4813 (US). **WATSON, Matthew, Aubrey**; 1903 Sutters Chase Drive, Sugar Land, Texas 77479 (US). **ROBINSON, Charles, Quito**; 100 Potrero Avenue, San Francisco CA 94103-4813 (US).

(74) Agents: **GALLAGHER, Thomas, A.** et al.; A Professional Corporation, Gallagher & Lathrop, 601 California Street, Suite 1111, San Francisco, CA 94108-2805 (US).

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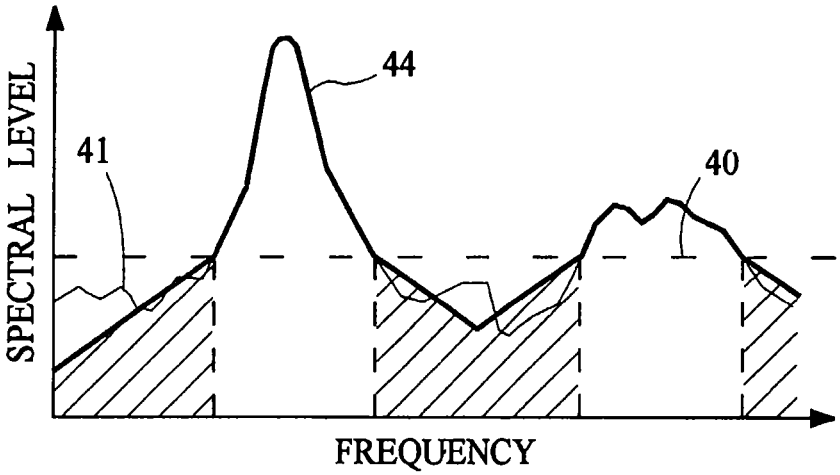
(54) Title: AUDIO CODING SYSTEM USING SPECTRAL HOLE FILLING



(57) Abstract: Audio coding processes like quantization can cause spectral components of an encoded audio signal to be set to zero, creating spectral holes in the signal. These spectral holes can degrade the perceived quality of audio signals that are reproduced by audio coding systems. An improved decoder avoids or reduces the degradation by filling the spectral holes with synthesized spectral components. An improved encoder may also be used to realize further improvements in the decoder.

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